

Patents Recently Issued to IBM Inventors

July and August 1971

July, 1971

3,590,477	Method for Fabricating Insulated-gate Field Effect Transistors Having Controlled Operating Characteristics	G. Cheroff and F. Hochberg
3,590,480	Method of Manufacturing a Pulse Transformer Package	T. H. Johnson, Jr. C. H. Locke, P. V. Robock, and R. D. Suelflow
3,591,340	Method for Preparing High Purity Crystalline Semiconductive Materials in Bulk	T. S. Plaskett
3,591,479	Sputtering Process for Preparing Stable Thin Film Resistors	E. Stern
3,591,480	Glucose Measuring System	G. W. Neff, C. J. Sambucetti, and J. E. Tomko
3,591,482	Silver-Silver Chloride Electrode and Method of Making Same	G. W. Neff, C. J. Sambucetti, and J. E. Tomko
3,591,733	Magnetic Coupling Compensation Means for a Multielement Magnet Head	L. E. Pflughaupt
3,591,761	Pattern and Cavity Electroerosion Repeated Raster Scanning	S. Bederman and L. G. Lankford
3,591,781	Machine Tool Control System with Edge Generator	J. G. Brenza
3,591,782	Digital to Phase Analog Converter	G. H. Bouman
3,591,784	Real Time Digital Fourier Analyzer	J. T. Cutter, D. G. Freeman, and R. Van Blerkom
3,591,786	Predicted Iteration in Decimal Division	R. A. Nelson
3,591,787	Division System and Method	C. V. Freiman and C. C. Wang
3,591,834	Circuit Board Connecting Means	J. T. Kolias
3,592,309	Cyclically Operable Typewriter	J. A. Craft and J. O. Schaefer
3,592,310	Justification Data Calculator and Display Device	W. O. Cralle, Jr. J. S. Morgan and B. E. Toben
3,592,311	Wire Printing Head	A. S. Chou and E. A. Brown
3,592,313	Encoding Keyboard Having Dual-output Shift Key	W. H. Castle and D. L. Greer
3,592,715	Steady State Etching System	R. T. Lindstrom
3,593,068	Bus Bar Transistor and Method of Making Same	L. L. Rosier
3,593,115	Capacitive Voltage Divider	H. Dym and R. V. Mazza
3,593,297	Diagnostic System For Trapping Circuitry	K. Kadner
3,593,299	Input-Output Control System for Data Processing Apparatus	G. C. Driscoll, Jr. and E. H. Sussenguth
3,593,300	Arrangement for Automatically Selecting Units for Task Executions in Data Processing Systems	G. C. Driscoll, Jr. and A. P. Mullery
3,593,301	Delay Line Synchronizing System	C. E. Newcomb
3,593,304	Data Store With Logic Operation	P. A. E. Gardner and M. H. Hallet
3,593,309	Method and Means for Generating Compressed Keys	W. A. Clark, IV, K. A. Salmond and T. S. Stafford
3,593,317	Partitioning Logic Operations in a Generalized Matrix System	H. Fleisher, A. Weinberger and V. D. Winkler
3,593,333	Position Detection for a Track Following Servo System	R. K. Oswald
3,593,906	Conductor Handling and Bonding System	P. Hug
3,594,490	Electronic Grounding System	L. A. Mitchell and A. M. Shah
3,594,522	Elastic Diaphragm Switch	D. F. Colglazier and M. E. Snesrud
3,594,653	Cross-coupled Differential Amplifier	J. J. Tomczak
3,596,063	Apparatus for Reading Marks on Documents	T. W. Curtis, R. D. Keillor and D. L. Mehaffey
3,596,065	Apparatus and Method for Rate Detection	N. Lazarchick, Jr. A. H. Frey, Jr. and E. N. Schroeder
3,596,074	Serial By Character Multifunctional Modular Unit	N. S. Mitrofanoff
3,596,111	Solenoid Energizing Circuitry	J. D. Harr
3,596,177	Energy Field Probe of Consistent Attitude Capable of Moving with Three Degrees of Freedom	E. V. Butera
3,596,191	Sampling Circuit	P. E. Stuckert
3,596,228	Fluid Actuated Contact	F. W. Reed, Jr. and W. J. Ryan
3,596,230	Connector with Load Sharing Contacts	M. E. Ecker

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3,596,369	Transformerless Power Supply with Line to Load Isolation	J. A. Dickerson and G. H. Ottaway
3,596,904	Multiwidth Document Stacker	M. E. Nyberg
3,597,045	Automatic Wafer Identification System and Method	E. S. Mathisen

3,597,660	High-density Circuit Connector	<i>S. M. Jensen, T. J. Kopl, V. P. Subik, H. R. Tatko, and G. L. Williams</i>
3,597,740	Interpolation and Initialization Technique for Computer Control of Machine Tools	<i>R. H. Daw and A. Hurwitz</i>
3,597,751	Signal Recovery System for Use with Magnetic Media	<i>R. F. Heidecker and F. R. Hertrich</i>
3,597,758	Display System	<i>J. C. Greeson, Jr. and C. E. Newcomb</i>
3,598,218	Mechanical Type-printing Apparatus	<i>P. A. Gilovich, R. B. Johnson, E. E. Long, D. H. McMurtry, E. G. Nassimbene, T. F. O'Rourke, and G. E. Price</i>
3,598,396	Record Card Handling Device with Multiple Feed Paths	<i>D. R. Andrews and L. H. Robbins</i>
3,598,493	Optical Graduated Rule of Transparent Material	<i>G. A. Fisher</i>
3,598,582	Photoconductive Element Exhibiting Photoconductive Dichroism and Process of Using Same	<i>C. E. Herrick, Jr. and M. D. Shattuck</i>
3,598,604	Process of Producing an Array of Integrated Circuits on Semiconductor Substrate	<i>A. H. DePuy</i>
3,598,710	Etching Method	<i>P. D. Davidse</i>
3,598,903	Position-identifying Device	<i>R. A. Johnson and R. N. Steckenrider</i>
3,598,927	Educational Apparatus with Programming Facilities	<i>F. E. Becker and W. F. Klein</i>
3,598,973	Table Look-up Sales Tax Computer	<i>E. G. Brooks and R. D. Kaus</i>
3,599,020	Linear Actuator with Alternating Magnetic Poles	<i>J. P. Harris, P. Y. Hu and E. G. Newman</i>
3,599,065	Control Arrangement for Motor to Establish High Speed Unregulated Operation in One Mode and Regulated Operation in Another Mode	<i>C. M. Fackler and D. H. Lenderking</i>
3,599,101	Solid State Direct Current Tester for Microcircuits	<i>J. F. Merrill</i>
3,599,103	Synchronizer for Data Transmission System	<i>H. J. Nussbaumer and E. E. Paris</i>
3,599,110	Self-clocking System having a Variable Frequency Oscillator Locked to Leading Edge of Data and Clock	<i>A. M. Gindi</i>
3,599,119	Amplitude Control Circuit for Resonistor Oscillator	<i>W. G. Crouse and P. R. Epley</i>
3,599,151	Character Recognition Photosensing Apparatus having a Threshold Comparator Circuit	<i>J. D. Harr</i>
3,599,176	Microprogrammed Data Processing Machine Utilizing Improved Storage Addressing Means	<i>H. Cordero, Jr. E. G. Drimak, R. J. Hutchinson, M. F. Schaughency, and E. M. Shimp</i>
3,599,182	Means for Reducing Power Consumption in a Memory Device	<i>R. A. Henle</i>
3,599,186	Memory-centered Computer System	<i>F. T. May and T. H. Williams</i>
3,599,191	Data Storage Apparatus	<i>J. B. Gillett</i>
3,599,605	Self-biasing Development Electrode for Electrophotography	<i>J. C. Ralston, R. T. Ritchie, and B. G. Thompson</i>
3,599,989	Measured Review for Disc-type Dictation Apparatus	<i>H. R. Kruspe and N. K. Perkins</i>
3,600,054	Holographic Associative Memory Permitting Conversion of a Pattern to a Machine-readable Form	<i>D. Gabor</i>
3,600,056	Recording and Replication of Arrays of Holograms	<i>J. H. King, Jr.</i>
3,600,086	Automatic Photoconductor Advance Mechanism for a Xerographic Copying Machine	<i>J. A. Cates and W. H. Sebastian</i>
3,600,218	Method for Depositing Insulating Films of Silicon Nitride and Aluminum Nitride	<i>W. B. Pennebaker</i>
3,600,240	Epitaxial Growth from Solution with Amphoteric Dopant	<i>H. S. Rupprecht and J. M. Woodall</i>
3,600,241	Method of Fabricating Semiconductor Devices by Diffusion	<i>V. Y. Doo and A. Spiro</i>
3,600,242	Process for Forming Electrically Stable Doped Epitaxial Layers	<i>M. Berkenblit and A. Reisman, T. B. Light</i>
3,600,244	Process of Etching Metal with Recovery or Regeneration and Recycling ...	<i>H. Wegener</i>
3,600,314	Magnetic Compositions of Chromium Oxide and Methods of Manufacture	<i>R. S. Haines</i>
3,600,315	Methods of Manufacturing Magnetic Compositions of Carbon Modified Chromium Oxide	<i>R. S. Haines</i>
3,600,516	Voicing Detection and Pitch Extraction System	<i>J. H. King, Jr.</i>
3,600,589	Logarithmic Sense Amplifier having Means for Establishing a Predetermined Output Voltage Level when the Input Signal is at a Maximum	<i>C. C. Hanson</i>
3,600,639	Relay Driver with Automatic Time Distortion Compensation	<i>J. C. Grange and P. H. Hernandez</i>
3,601,536	System and Method for Developing a Composite Video Signal	<i>R. W. Calfee</i>
3,601,592	Fast Fourier Transform Addressing System	<i>J. T. Cutter, W. H. Elder, D. G. Freeman, and R. VanBlerkom</i>
3,601,635	Gated Signal Processing Circuits for Low-level Signals	<i>D. E. Norton</i>
3,601,678	Stepping Motor Constant Velocity Drive Including Closed and Open Loop Control	<i>D. G. Abraham, G. J. Dohanich, and J. P. Pawletko</i>
3,601,716	Stripline Directional Coupling Device	<i>M. H. Bolt, H. H. Nick, and E. C. Uberbacher</i>

3,601,731	Coil Form for a Magnetic Deflection Yoke	<i>W. R. Christiana and J. F. Hevesi</i>
3,601,753	Coaxial Interface Connector	<i>E. C. Uberbacher</i>
3,601,763	Pin-Socket Connection Devices with Torsioned Pin Contacts	<i>R. D. McNutt</i>
3,601,798	Error Correcting and Detecting Systems	<i>Mu-Yue Hsiao</i>
3,601,800	Error Correcting Code Device for Parallel-serial Transmissions	<i>Hua-Tung Lee</i>
3,601,807	Centralized Crosspoint Switching Unit	<i>W. F. Beausoleil and W. D. Pricer</i>
3,601,928	Accurately Positionable High Speed Machine Tool	<i>R. C. Miller</i>
3,602,138	Hammer Driver Timing from a Print Buffer Ring	<i>J. G. Barcomb</i>
3,602,192	Semiconductor Wafer Processing	<i>E. G. Grochowski and V. J. Lyons</i>
3,602,420	Ultrasonic Bonding Device	<i>R. A. Wilkinson, Jr.</i>
3,602,574	Light Modulation by Resonant Faraday Effect	<i>E. L. Courtens</i>
3,602,578	Micro-objective Reduction Lens System	<i>R. E. Tibbetts and J. S. Wilczynski</i>
3,602,635	Micro-circuit Device	<i>L. T. Romankiw</i>
3,602,703	Power Demand Predicting Control System	<i>T. R. Polenz</i>
3,602,724	Optical Nonlinear Devices	<i>A. W. Smith</i>
3,602,795	Transformerless Power Supply	<i>J. B. Gunn</i>
3,602,828	Self-clocking Detection System	<i>F. Kurzweil, Jr. and M. Padalino</i>
3,602,834	Timing Recovery Circuits	<i>G. K. McAuliffe</i>
3,602,838	Externally Excited Luminescent Devices	<i>F. Stern</i>
3,602,841	High Frequency Bulk Semiconductor Amplifiers and Oscillators	<i>J. C. McGroddy</i>
3,602,886	Self-checking Error Checker for Parity Coded Data	<i>W. C. Carter and P. R. Schneider</i>
3,602,887	Pattern Classification Method and Apparatus	<i>C. K. Chow</i>
3,602,894	Program Change Control System	<i>J. J. Igel and M. D. Schettl</i>
3,602,895	One Key Byte per Key Indexing Method and Means	<i>E. Loizides</i>
3,602,896	Random Access Memory With Flexible Data Boundaries	<i>D. Zeheb</i>
3,602,897	Key-entry System	<i>J. J. Igel and M. D. Schettl</i>
3,602,899	Associative Memory System with Match, No Match and Multiple Match Resolution	<i>A. B. Lindquist, W. D. Pricer, and R. R. Seeber</i>
3,602,912	Magnetic Head with Connector Blocks	<i>W. L. Bowers, S. N. Kochis, and S. J. Ramus</i>

The following patents were issued during the period July and August 1971 by the countries in which the inventions were made:

6,942,288	Data Transmission System	(FR)	<i>H. J. Nussbaumer and J. E. Barlet</i>
6,942,839	Serial Printing Device	(FR)	<i>R. Mouchon</i>
6,944,284	Method and Bath for Electroplating Tin-Bismuth Alloy and Products Obtained Thereof	(FR)	<i>J. P. Lescure</i>
6,944,285	Analog Signal Transmission Mode	(FR)	<i>A. Croisier and A. Mestre</i>
6,945,781	Adaptive Switched Filter	(FR)	<i>A. H. Lautier and J. L. Monrolin</i>
6,945,782	Data Transmission Mode	(FR)	<i>H. J. Nussbaumer</i>
6,945,784	Data Transmission System	(FR)	<i>H. J. Nussbaumer</i>
6,945,805	Digitally Companded Delta Modulator	(FR)	<i>A. Croisier</i>
6,945,806	Telephone Subscriber's Line Ringing Circuit	(FR)	<i>G. J. Canard and R. E. Reynier</i>
0,324,667	Data Transmission System	(SW)	<i>U. Klose,</i>
0,334,487	Method and Device for Quantitative Spectrochemical Analysis	(SW)	<i>B. T. Cronhjort and N. R. D. Aslund</i>
1,229,717	Auto-sequencing Associative Store	(UK)	<i>J. F. Minshull and A. S. Murphy</i>